PRODUCT DATASHEET

Gear Pump Skid

Gear pump skids for viscous, hot or corrosive liquids





DETAIL – PIPEWORK

OVERVIEW

The Tech Inc. Gear Pump Skid is a skid with a gear pump, drive and controls for transferring and metering viscous, hot or corrosive liquids. Users include polymer and resin plants, bitumen and fuel oil handlers, lubricant plants and chemical plants. Gear pumps and drives are sourced from leading equipment makers; Tech Inc. designs and builds the skid, with piping, heating, instrumentation, controls and FAT.

MODELS AND CAPACITIES

- **TI-GPS-1** – about 1 m^3/h
- **TI-GPS-5** – about 5 m^3/h
- **TI-GPS-20** – about 20 m^3/h
- **TI-GPS-50** – about 50 m^3/h

TYPICAL DESIGN DATA

Flow and pressure	Sized to the duty, or to client specification
Liquid	Pump, drive and heating selected for the viscosity and temperature, or to client specification
Drive	Motor and coupling or magnetic drive, with VFD, or to client specification
Heating	Heat tracing or jacketed pump, or to client specification
Materials	Selected for the liquid, or to client specification
Protection	Relief valve, strainer and drip tray, or to client specification

ORDERING CODE

Example **TI-GPS-5-H-M**: **5** flow, m^3/h; **H** H heated (jacketed), X unheated; **M** drive: M magnetic, C motor and coupling.

APPLICATIONS

Polymers and resins, bitumen, lubricants, chemicals, fuel oil.

KEY ADVANTAGES

- **Built for viscous liquids** – positive displacement keeps flow steady as viscosity changes
- **Accurate metering** – VFD speed control sets the flow
- **No seal leakage** – the magnetic-drive option removes the shaft seal
- **Hot liquids kept fluid** – heat tracing or a jacketed pump prevents solidification
- **Protected pump and site** – relief valve, strainer and drip tray as standard

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

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